

CLAIMS

1. An arrangement for adjusting the seat back inclination of a seat comprising

a a sensor system (A) for ascertaining a length change upon loading of a seat surface (B) between the zero value, with a non-loaded seat, the maximum value with the seat loading by a very heavy person and corresponding intermediate values in dependence on the individual weight of the respective user of the seat,

b a transfer means (C) for transmitting the respectively ascertained length change

c to a resilient element (D) which is reversibly variable so that its compressibility and expandability transmits the transmitted distance changes to

d two counterpart elements (14) between which the resilient element is provided and which are connected to components which represent the seat back inclination, and

e a resilient support element (G) for safeguarding free mobility of the resilient element (D) during the zero loading as a prestressing,

characterised in that

the resilient element (D) is an elastically yielding volume body (D) which is provided between the two counterpart elements (14) which define between them a clamping gap (E) for the volume body (D), wherein the volume body (D) is partially engaged and compressed by the counterpart elements (14) and in dependence on the distance change the surface of the volume body (D), which is to be compressed, and thus the energy storage means volume is reduced or increased.

2. An arrangement as set forth in claim 1 characterised in that the volume body (D) is partially engaged and compressed by the two counterpart elements (14) and in dependence on the distance change elastomer material

of differing density is disposed in the region of the volume body (D), which is engaged by the clamping jaws.

3. An arrangement as set forth in claim 1 or claim 2 characterised in that the volume body (D) is of a wedge-shaped configuration.

4. An arrangement as set forth in one of claims 1 through 3 characterised in that the volume body (D) is of a flat configuration with a wedge-shaped base surface.

5. An arrangement as set forth in one of claims 1 through 4 characterised in that the volume body (D) comprises closed-cell polyurethane integral foam.